

InLube® PA66TF20FRHS

Americhem - Polyamide 66

General Information
Product Description

20% PTFE LUBRICATED, FLAME RETARDANT, HEAT STABILIZED NYLON 6/6

General

Material Status	• Commercial: Active		
Availability	• Africa & Middle East • Asia Pacific	• Europe • Latin America	• North America
Additive	• Flame Retardant	• Heat Stabilizer	• PTFE Lubricant: 20%
Features	• Chemical Resistant • Flame Retardant • Good Mold Release	• Halogenated • Heat Stabilized • Low Friction	• Lubricated • Wear Resistant
Uses	• Closures • Consumer Applications • Electrical/Electronic Applications • Engineering Parts	• Household Goods • Industrial Applications • Industrial Parts • Office Automation Equipment	• Outdoor Applications • Window & Door Components
Forms	• Pellets		
Processing Method	• Injection Molding		

Properties ¹

Physical	Nominal Value	Unit	Test Method
Density / Specific Gravity	1.43		ASTM D792
Molding Shrinkage - Flow	0.014 to 0.017	in/in	ASTM D955
Water Absorption (24 hr)	0.90	%	ASTM D570
Mechanical	Nominal Value	Unit	Test Method
Tensile Modulus	440000	psi	ASTM D638
Tensile Strength	8000	psi	ASTM D638
Tensile Elongation (Yield)	3.0 to 5.0	%	ASTM D638
Flexural Modulus	420000	psi	ASTM D790
Flexural Strength	13200	psi	ASTM D790
Impact	Nominal Value	Unit	Test Method
Notched Izod Impact (0.125 in)	0.80	ft·lb/in	ASTM D256
Unnotched Izod Impact (0.125 in)	8.0	ft·lb/in	ASTM D4812
Thermal	Nominal Value	Unit	Test Method
Deflection Temperature Under Load (264 psi, Unannealed)	158	°F	ASTM D648
Electrical	Nominal Value	Unit	Test Method
Surface Resistivity	> 1.0E+17	ohms	ASTM D257
Flammability	Nominal Value	Unit	Test Method
Flame Rating			UL 94
0.06 in		V-0	
0.12 in		V-0	

Processing Information

Injection	Nominal Value	Unit
Drying Temperature	175	°F
Drying Time	4.0	hr
Processing (Melt) Temp	510 to 550	°F
Mold Temperature	200	°F
Back Pressure	50.0 to 100	psi
Screw Speed	40 to 70	rpm

